

10/647,313

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IPC reform  
NEWS 8 DEC 23 New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/  
USPAT2  
NEWS 9 JAN 13 IPC 8 searching in IFIPAT, IFIUDB, and IFICDB  
NEWS 10 JAN 13 New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to  
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NEWS 11 JAN 17 Pre-1988 INPI data added to MARPAT  
NEWS 12 JAN 17 IPC 8 in the WPI family of databases including WPIFV  
NEWS 13 JAN 30 Saved answer limit increased  
NEWS 14 JAN 31 Monthly current-awareness alert (SDI) frequency  
added to TULSA

NEWS EXPRESS JANUARY 03 CURRENT VERSION FOR WINDOWS IS V8.01,  
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.  
V8.0 USERS CAN OBTAIN THE UPGRADE TO V8.01 AT  
<http://download.cas.org/express/v8.0-Discover/>

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FILE 'HOME' ENTERED AT 10:56:12 ON 09 FEB 2006

=> file uspatfull

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

10/647,313

	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'USPATFULL' ENTERED AT 10:56:22 ON 09 FEB 2006  
CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 9 Feb 2006 (20060209/PD)  
FILE LAST UPDATED: 9 Feb 2006 (20060209/ED)  
HIGHEST GRANTED PATENT NUMBER: US6996845  
HIGHEST APPLICATION PUBLICATION NUMBER: US2006031974  
CA INDEXING IS CURRENT THROUGH 9 Feb 2006 (20060209/UPCA)  
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 9 Feb 2006 (20060209/PD)  
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2005  
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2005

```
=> s self tan? or artificial tan?
      536181 SELF
      669657 TAN?
          942 SELF TAN?
              (SELF(W) TAN?)
      147880 ARTIFICIAL
      669657 TAN?
          731 ARTIFICIAL TAN?
              (ARTIFICIAL(W) TAN?)
L1      1484 SELF TAN? OR ARTIFICIAL TAN?
```

```
=> s l1/ti
      28529 SELF/TI
      12324 TAN?/TI
          33 SELF TAN?/TI
              ((SELF(W) TAN?)/TI)
      4019 ARTIFICIAL/TI
      12324 TAN?/TI
          15 ARTIFICIAL TAN?/TI
              ((ARTIFICIAL(W) TAN?)/TI)
L2      48 (SELF TAN?/TI OR ARTIFICIAL TAN?/TI)
```

```
=> s wipe? or sheet?
      76828 WIPE?
      741446 SHEET?
L3      792838 WIPE? OR SHEET?
```

```
=> s l2 and l3
L4      8 L2 AND L3
```

```
=> d 1-8 ibib abs
```

L4 ANSWER 1 OF 8 USPATFULL on STN  
ACCESSION NUMBER: 2005:117251 USPATFULL  
TITLE: Hydroalcohol based **self-tanning**  
composition  
INVENTOR(S): Dann, Thomas W., Oldsmar, FL, UNITED STATES  
PATENT ASSIGNEE(S): Formulated Solutions, LLC (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005100516	A1	20050512
APPLICATION INFO.:	US 2003-703241	A1	20031107 (10)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	ALSTON & BIRD LLP, BANK OF AMERICA PLAZA, 101 SOUTH		

TRYON STREET, SUITE 4000, CHARLOTTE, NC, 28280-4000, US

NUMBER OF CLAIMS: 49  
EXEMPLARY CLAIM: 1  
LINE COUNT: 472

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention is a sunless tanning composition that can be applied to the skin as an aerosol. The composition is a hydroalcohol system that contains at least one self-tanning agent and a surfactant. The surfactant reduces the composition's surface tension so that it is applied to the skin in a uniform and even manner. As a result, the composition helps eliminate problems associated with most sunless tanning products.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 2 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2005:3876 USPATFULL  
TITLE: Dual component skin care compositions that comprise a **self-tanning** agent  
INVENTOR(S): Crook, Teresa Barbara, Camberley, UNITED KINGDOM  
Stephens, Alison Fiona, Cookham, UNITED KINGDOM  
PATENT ASSIGNEE(S): The Procter & Gamble Company (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005002978	A1	20050106
APPLICATION INFO.:	US 2004-883616	A1	20040701 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	EP 2003-254235	20030703
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	THE PROCTER & GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION, WINTON HILL TECHNICAL CENTER - BOX 161, 6110 CENTER HILL AVENUE, CINCINNATI, OH, 45224	
NUMBER OF CLAIMS:	17	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1046	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Cosmetic kits comprising at least two separated components are provided. The at least two separated components comprise, in one component, a self-tanning agent, and in the other, a reactive skin care active. The cosmetic kits provide increased skin health benefits when both components are applied to the skin simultaneously or successively.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 3 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2004:306445 USPATFULL  
TITLE: Stable cosmetic composition comprising a **self**  
**-tanning** agent  
INVENTOR(S): Stephens, Alison Fiona, Cookham, UNITED KINGDOM  
Crook, Teresa Barbara, Camberley, UNITED KINGDOM

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004241113	A1	20041202
APPLICATION INFO.:	US 2004-842585	A1	20040510 (10)

NUMBER	DATE
--------	------

10/647,313

PRIORITY INFORMATION: EP 2003-253316 20030527  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: THE PROCTER & GAMBLE COMPANY, INTELLECTUAL PROPERTY  
DIVISION, WINTON HILL TECHNICAL CENTER - BOX 161, 6110  
CENTER HILL AVENUE, CINCINNATI, OH, 45224  
NUMBER OF CLAIMS: 30  
EXEMPLARY CLAIM: 1  
LINE COUNT: 838

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Stable topical compositions having a pH of from 3.5 to 4.5 comprising a self-tanning agent, a polymer and a polyhydric alcohol humectant. The compositions of the present invention are highly stable, and deliver high levels of active self-tanning agent to the skin upon topical application.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 4 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2004:164857 USPATFULL  
TITLE: **Self-tanning** composition in  
**sheeted** substrate  
INVENTOR(S): Dicianna, Valerie Dumont, Concord, CANADA

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004126342	A1	20040701
APPLICATION INFO.:	US 2003-647313	A1	20030826 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2002-CA234, filed on 26 Feb 2002, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	CA 2001-2338124	20010226
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	MARKS & CLERK, 1075 NORTH SERVICE ROAD WEST, SUITE 203, OAKVILLE, ON, L6M 2G2	
NUMBER OF CLAIMS:	16	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	1 Drawing Page(s)	
LINE COUNT:	1158	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A plurality of **sheet**-like substrates infused by an aqueous self-tanning position is enclosed in a dispensing enclosure, from which they may be removed one at a time. The self-tanning composition adheres to each substrate while in the container, and transfers from the substrate when applied to the skin of a user. The aqueous self-tanning composition comprises 45% to 65% by weight of aqueous extract of Japanese green tea, 5% to 15% dihydroxyacetone, 5% to 25% ethylethoxydyglycol, 3% to 10% PPG-12-Buteth-16, 1% to 13% of a humectant, 0.05% to 0.5% of minerals, and other trace constituents such as an exfoliator, moisturizer, colorant, anti-oxidant, tanning accelerator, preservative, and sunscreen. The substrates are infused by being placed in a vacuum chamber in which they can be agitated and tumbled, and the ingredients are added in a specific order at specific temperatures, with tumbling and agitation following each step for a specific period of time.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 5 OF 8 USPATFULL on STN

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ACCESSION NUMBER: 2003:258480 USPATFULL  
TITLE: **Artificial tanning** emulsions  
comprising sorghum extracts/organomodified silicones  
INVENTOR(S): Seyler, Nathalie, Maisons-Alfort, FRANCE  
Elguidj, Irene, Neuilly, FRANCE  
Candau, Didier, Bievres, FRANCE

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003181533	A1	20030925
APPLICATION INFO.:	US 2003-338713	A1	20030109 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	FR 2002-254	20020110
	US 2002-350383P	20020124 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BURNS, DOANE, SWECKER & MATHIS, L.L.P., P.O. Box 1404, Alexandria, VA, 22313-1404	
NUMBER OF CLAIMS:	32	
EXEMPLARY CLAIM:	1	
LINE COUNT:	978	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Topically applicable, cosmetic/dermatological artificial tanning emulsions devoid of certain flavylum salts include (a) at least one aqueous phase and (b) at least one fatty phase, (c) an effective artificial tanning amount of at least one sorghum extract, and (d) at least one organomodified silicone.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 6 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2003:200404 USPATFULL  
TITLE: **Artificial tanning** compositions  
comprising sorghum extracts  
INVENTOR(S): Seyler, Nathalie, Maisons-Alfort, FRANCE  
Elguidj, Irene, Neuilly, FRANCE  
Candau, Didier, Bievres, FRANCE

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003138387	A1	20030724
	US 6699462	B2	20040302
APPLICATION INFO.:	US 2003-338700	A1	20030109 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	FR 2002-251	20020110
	FR 2002-252	20020110
	FR 2002-253	20020110
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BURNS, DOANE, SWECKER & MATHIS, L.L.P., P.O. Box 1404, Alexandria, VA, 22313-1404	
NUMBER OF CLAIMS:	23	
EXEMPLARY CLAIM:	1	
LINE COUNT:	712	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Topically applicable, cosmetic/dermatological artificial tanning compositions devoid of certain flavylum salts contain an effective artificial tanning amount of at least one sorghum extract formulated

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into a topically applicable, cosmetically/dermatologically acceptable vehicle therefor.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 7 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2002:336913 USPATFULL  
TITLE: Article for applying **artificial tanning** agent and method of making  
INVENTOR(S): Gueret, Jean-Louis, Paris, FRANCE  
PATENT ASSIGNEE(S): L'OREAL, Paris, FRANCE, 75008 (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002192270	A1	20021219
	US 6723306	B2	20040420
APPLICATION INFO.:	US 2002-161877	A1	20020605 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	FR 2001-7309	20010605
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	OBLON SPIVAK MCCLELLAND MAIER & NEUSTADT PC, FOURTH FLOOR, 1755 JEFFERSON DAVIS HIGHWAY, ARLINGTON, VA, 22202	
NUMBER OF CLAIMS:	68	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	758	

AB An article for applying a skin care product, particularly an artificial tanning agent to the skin. The article includes an adhesive matrix disposed between at least two layers that are permanently bonded to the matrix, with at least one of the layers being permeable to a liquid. The matrix contains at least one artificial tanning agent suitable for acting on the skin when the matrix is put into contact with the liquid so that the artificial tanning agent can be applied to the skin after contacting the article with the liquid. A method of making the article is also provided.

L4 ANSWER 8 OF 8 USPATFULL on STN

ACCESSION NUMBER: 1999:132252 USPATFULL  
TITLE: **Self-tanning** towelette  
INVENTOR(S): Braun, Darian, 1821 Dolce Dr., Las Vegas, NV, United States 89134

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5972360		19991026
APPLICATION INFO.:	US 1998-146794		19980903 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Dodson, Shelley A.		
LEGAL REPRESENTATIVE:	Schweitzer Cornman Gross & Bondell LLP		
NUMBER OF CLAIMS:	8		
EXEMPLARY CLAIM:	1		
LINE COUNT:	202		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A self-tanning product comprising a towelette impregnated with a self-tanning composition. The product provides an inexpensive single-use application which is non-streaking and does not stain the hands. The

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towel component preferably contains wood pulp fibers to provide an exfoliation effect during application of the tanning solution.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s us5972360/pn

L5 1 US5972360/PN

=> s dihydroxyacetone?

L6 2992 DIHYDROXYACETONE?

=> s green tea?

275431 GREEN

734920 TEA?

L7 2581 GREEN TEA?  
(GREEN (W) TEA?)

=> s ethoxydiglycol?

L8 593 ETHOXYDIGLYCOL?

=> s PPG-12buteth-16

13769 PPG

0 12BUTETH

3352705 16

L9 0 PPG-12BUTETH-16  
(PPG (W) 12BUTETH (W) 16)

=> s PPG-12-buteth-16

13769 PPG

3754676 12

213 BUTETH

3352705 16

L10 58 PPG-12-BUTETH-16  
(PPG (W) 12 (W) BUTETH (W) 16)

=> s humectant?

L11 19166 HUMECTANT?

=> s edta

L12 100560 EDTA

=> s tocopherol?

L13 17262 TOCOPHEROL?

=> s castor oil?

40484 CASTOR

632804 OIL?

L14 34252 CASTOR OIL?  
(CASTOR (W) OIL?)

=> s glycol?

L15 363909 GLYCOL?

=> s glycerin?

L16 74082 GLYCERIN?

=> d his

(FILE 'HOME' ENTERED AT 10:56:12 ON 09 FEB 2006)

FILE 'USPATFULL' ENTERED AT 10:56:22 ON 09 FEB 2006

10/647,313

L1 1484 S SELF TAN? OR ARTIFICIAL TAN?  
L2 48 S L1/TI  
L3 792838 S WIPE? OR SHEET?  
L4 8 S L2 AND L3  
L5 1 S US5972360/PN  
L6 2992 S DIHYDROXYACETONE?  
L7 2581 S GREEN TEA?  
L8 593 S ETHOXYDIGLYCOL?  
L9 0 S PPG-12BUTETH-16  
L10 58 S PPG-12-BUTETH-16  
L11 19166 S HUMECTANT?  
L12 100560 S EDTA  
L13 17262 S TOCOPHEROL?  
L14 34252 S CASTOR OIL?  
L15 363909 S GLYCOL?  
L16 74082 S GLYCERIN?

=> s 15 and 17

L17 0 L5 AND L7

=> s 15 and 16

L18 1 L5 AND L6

=> s 15 and 18

L19 1 L5 AND L8

=> s 119 and 110

L20 0 L19 AND L10

=> s 119 and 111

L21 1 L19 AND L11

=> s 121 and 114

L22 0 L21 AND L14

=> s 121 and 112

L23 1 L21 AND L12

=> s 123 and 115

L24 1 L23 AND L15

=> s 124 and 116

L25 0 L24 AND L16

=> d 124 ibib abs kwic

L24 ANSWER 1 OF 1 USPATFULL on STN

ACCESSION NUMBER: 1999:132252 USPATFULL

TITLE: Self-tanning towelette

INVENTOR(S): Braun, Darian, 1821 Dolce Dr., Las Vegas, NV, United States 89134

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 5972360		19991026	<--
APPLICATION INFO.:	US 1998-146794		19980903	(9)
DOCUMENT TYPE:	Utility			
FILE SEGMENT:	Granted			
PRIMARY EXAMINER:	Dodson, Shelley A.			
LEGAL REPRESENTATIVE:	Schweitzer Cornman Gross & Bondell LLP			
NUMBER OF CLAIMS:	8			
EXEMPLARY CLAIM:	1			



LINE COUNT: 202

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A self-tanning product comprising a towelette impregnated with a self-tanning composition. The product provides an inexpensive single-use application which is non-streaking and does not stain the hands. The towel component preferably contains wood pulp fibers to provide an exfoliation effect during application of the tanning solution.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

PI US 5972360 19991026 &lt;--

SUMM . . . new. The key active ingredient is dihydroxyacetone, which serves as the tanning agent. It normally is preferable to also include **ethoxydiglycol** to help the tanning agent penetrate into the skin and thus tan faster.

SUMM

Broad Range  
Preferred Range

Dihydroxyacetone

2.5 to 7.0

5 to 6.5

**Ethoxydiglycol** 10.0 to 20.0 13 to 17.0

SUMM

Ingredient	Purpose	Typical Wt %
Deionized water	solvent	60 to 75
Ascorbic acid	antioxidant	0.1 to 1.0
Butylene Glycol	humectant	3 to 8
Fragrance oil	fragrance	0.1 to 0.5
Polysorbate-20	stabilizer	1 to 5
	to fragrance	
Propylene glycol and methylparaben/ propylparaben/ preservatives		1 to 2
triethylamine pH adjuster		0.1 to 0.3

DETD

Ingredients:

Active:	% w/w.
<b>Ethoxydiglycol</b>	15.000
Dihydroxyacetone	6.500
Other:	
1. Deionized Water	66.079
2. Butylene Glycol	5.000
3. Cucumber Extract	2.500
4. Polysorbate 20	2.000
5. Propylene Glycol (and) Diazolidinyl Urea (and) Methylparaben (and) Propylparaben	1.000
6. Fragrance Oil	0.250
7. Ascorbic Acid	0.500
8. Triethanolamine	0.150
9. Tocopheryl Acetate	0.100
10. Tea Tree Oil	0.100
11. Tetrasodium EDTA	0.500
12. Sodium Metabisulfite	0.200
13. FD & C Yellow #5	0.013
14. FD & C Yellow #6	0.008

CLM What is claimed is:

. . . of claim 2 wherein said self-tanning composition further contains a member of the group consisting of skin absorption agents, antioxidants, **humectants**, preservatives and fragrances.

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. . . self-tanning product in the form of a towel impregnated with a self-tanning composition containing an effective amount of dihydroxyacetone and **ethoxydiglycol** and enclosed in a liquid-proof packet which can readily be opened for one step application to the body and/or face.  
. . .

=> s ?cinnamate?

L26 14996 ?CINNAMATE?

=> s l25 and l26

L27 0 L25 AND L26

=> s sunscreen?

L28 8788 SUNSCREEN?

=> s l25 and l28

L29 0 L25 AND L28

L25 ANSWER 1 OF 1 USPATFULL on STN

ACCESSION NUMBER: 97:78164 USPATFULL

TITLE: Self-tanning cosmetic compositions and methods of using the same

INVENTOR(S): Punto, Louis L., Northport, NY, United States  
Zecchino, Jules R., Closter, NJ, United States  
Lentini, Peter J., Glen Oaks, NY, United States

PATENT ASSIGNEE(S): Estee Lauder, Inc., New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5662890		19970902 <--
APPLICATION INFO.:	US 1994-320772		19941011 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1992-980001, filed on 23 Nov 1992, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Dodson, Shelley A.		
LEGAL REPRESENTATIVE:	Pennie & Edmonds LLP		
NUMBER OF CLAIMS:	14		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	8 Drawing Figure(s); 8 Drawing Page(s)		
LINE COUNT:	702		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel cosmetic preparations for artificially tanning the skin. These novel cosmetics are applied to the skin in a sprayable mist application. These cosmetics are oil and alcohol free and are quick drying. Further, these cosmetic preparations provide an even, deeper and long lasting artificial tan.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

10/647,313

	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'USPATFULL' ENTERED AT 11:08:36 ON 09 FEB 2006  
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FILE COVERS 1971 TO PATENT PUBLICATION DATE: 9 Feb 2006 (20060209/PD)  
FILE LAST UPDATED: 9 Feb 2006 (20060209/ED)  
HIGHEST GRANTED PATENT NUMBER: US6996845  
HIGHEST APPLICATION PUBLICATION NUMBER: US2006031974  
CA INDEXING IS CURRENT THROUGH 9 Feb 2006 (20060209/UPCA)  
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 9 Feb 2006 (20060209/PD)  
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2005  
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2005

=> s artificial tan? or self-tan? or self tan?

147880 ARTIFICIAL  
669657 TAN?  
731 ARTIFICIAL TAN?  
(ARTIFICIAL(W) TAN?)  
536181 SELF  
669657 TAN?  
942 SELF-TAN?  
(SELF(W) TAN?)  
536181 SELF  
669657 TAN?  
942 SELF TAN?  
(SELF(W) TAN?)

L1 1484 ARTIFICIAL TAN? OR SELF-TAN? OR SELF TAN?

=> s green tea?

275431 GREEN  
734920 TEA?  
L2 2581 GREEN TEA?  
(GREEN(W) TEA?)

=> s l1 and l2

L3 151 L1 AND L2

=> s sheet? or wip? or towel?

741446 SHEET?  
97163 WIP?  
23916 TOWEL?

L4 816702 SHEET? OR WIP? OR TOWEL?

=> s l3 and l4

L5 81 L3 AND L4

=> s dihydroxyacetone?

L6 2992 DIHYDROXYACETONE?

=> s l5 and l6

L7 31 L5 AND L6

=> s ethoxydiglycol?

L8 593 ETHOXYDIGLYCOL?

=> s l7 and l8

L9 1 L7 AND L8

=> d 1 ibib abs

10/647,313.

L9 ANSWER 1 OF 1 USPATFULL on STN

ACCESSION NUMBER: 2004:164857 USPATFULL

TITLE: **Self-tanning** composition in  
**sheeted** substrate

INVENTOR(S): Dicianna, Valerie Dumont, Concord, CANADA

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004126342	A1	20040701
APPLICATION INFO.:	US 2003-647313	A1	20030826 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2002-CA234, filed on 26 Feb 2002, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	CA 2001-2338124	20010226
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	MARKS & CLERK, 1075 NORTH SERVICE ROAD WEST, SUITE 203, OAKVILLE, ON, L6M 2G2	
NUMBER OF CLAIMS:	16	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	1 Drawing Page(s)	
LINE COUNT:	1158	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A plurality of **sheet**-like substrates infused by an aqueous **self-tanning** position is enclosed in a dispensing enclosure, from which they may be removed one at a time. The **self-tanning** composition adheres to each substrate while in the container, and transfers from the substrate when applied to the skin of a user. The aqueous **self-tanning** composition comprises 45% to 65% by weight of aqueous extract of Japanese **green tea**, 5% to 15% **dihydroxyacetone**, 5% to 25% ethylethoxydyglycol, 3% to 10% PPG-12-Buteth-16, 1% to 13% of a humectant, 0.05% to 0.5% of minerals, and other trace constituents such as an exfoliator, moisturizer, colorant, anti-oxidant, tanning accelerator, preservative, and sunscreen. The substrates are infused by being placed in a vacuum chamber in which they can be agitated and tumbled, and the ingredients are added in a specific order at specific temperatures, with tumbling and agitation following each step for a specific period of time.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE 'HOME' ENTERED AT 11:07:59 ON 09 FEB 2006)

FILE 'USPATFULL' ENTERED AT 11:08:36 ON 09 FEB 2006

L1 1484 S ARTIFICIAL TAN? OR SELF-TAN? OR SELF TAN?  
L2 2581 S GREEN TEA?  
L3 151 S L1 AND L2  
L4 816702 S SHEET? OR WIP? OR TOWEL?  
L5 81 S L3 AND L4  
L6 2992 S DIHYDROXYACETONE?  
L7 31 S L5 AND L6  
L8 593 S ETHOXYDIGLYCOL?  
L9 1 S L7 AND L8

=> s 15 and 18

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L10 1 L5 AND L8

=> s PPG-12-buteth-16

13769 PPG

3754676 12

213 BUTETH

3352705 16

L11 58 PPG-12-BUTETH-16

(PPG(W) 12 (W) BUTETH(W) 16)

=> s l11 and l7

L12 1 L11 AND L7

=> s l5 and l11

L13 1 L5 AND L11

=> s us5972360/pn

L14 1 US5972360/PN

=> s l14 and l11

L15 0 L14 AND L11

=> s emollient?

L16 11262 EMOLLIENT?

=> s PPG

L17 13769 PPG

=> s l16 and l17

L18 1489 L16 AND L17

=> s l18 and l14

L19 0 L18 AND L14

=> d his

(FILE 'HOME' ENTERED AT 11:07:59 ON 09 FEB 2006)

FILE 'USPATFULL' ENTERED AT 11:08:36 ON 09 FEB 2006

L1 1484 S ARTIFICIAL TAN? OR SELF-TAN? OR SELF TAN?

L2 2581 S GREEN TEA?

L3 151 S L1 AND L2

L4 816702 S SHEET? OR WIP? OR TOWEL?

L5 81 S L3 AND L4

L6 2992 S DIHYDROXYACETONE?

L7 31 S L5 AND L6

L8 593 S ETHOXYDIGLYCOL?

L9 1 S L7 AND L8

L10 1 S L5 AND L8

L11 58 S PPG-12-BUTETH-16

L12 1 S L11 AND L7

L13 1 S L5 AND L11

L14 1 S US5972360/PN

L15 0 S L14 AND L11

L16 11262 S EMOLLIENT?

L17 13769 S PPG

L18 1489 S L16 AND L17

L19 0 S L18 AND L14

=> s l18 and l7

L20 10 L18 AND L7

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=> d 1-10 ibib abs

L20 ANSWER 1 OF 10 USPATFULL on STN

ACCESSION NUMBER: 2005:292515 USPATFULL

TITLE: Personal care compositions and methods regulating mammalian hair growth

INVENTOR(S): Oblong, John Erich, Loveland, OH, UNITED STATES  
McPhail, Sara Johnson, West Chester, OH, UNITED STATES  
Weitz, Shannon Christine, Hamilton, OH, UNITED STATES  
Harris, Judith Lynn, Cleves, OH, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005255060	A1	20051117
APPLICATION INFO.:	US 2005-125385	A1	20050509 (11)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2004-569587P	20040510 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	THE PROCTER & GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION, WINTON HILL TECHNICAL CENTER - BOX 161, 6110 CENTER HILL AVENUE, CINCINNATI, OH, 45224, US	
NUMBER OF CLAIMS:	19	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1462	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Personal care compositions comprising at least one chronic skin care active selected from the group consisting of butylated hydroxytoluene (BHT), butylated hydroxyanisole (BHA), hexyl isobutyrate, menthyl anthranilate, methofuran, 3-butylidenephthalide, cetyl pyridinium chloride, **green tea** extract, catechins, phytosterols, ursolic acid, and plant extract compounds; at least one acute skin care active selected from the group consisting of particulate materials (including particles, pigments, and cross-linked silicone elastomers), alkane polyols, panthenol and pantothenic acid derivatives, and tanning actives; and a dermatologically acceptable carrier. The composition can also comprise the cationic thickener, Polyquaternium 37. The present invention also relates to methods of using such compositions to regulate hair growth and the condition of mammalian skin. Said methods generally comprise the step of topically applying the composition to the skin of a mammal needing such treatment, a safe and effective amount of such compositions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L20 ANSWER 2 OF 10 USPATFULL on STN

ACCESSION NUMBER: 2005:292514 USPATFULL

TITLE: Personal care compositions and methods regulating mammalian hair growth

INVENTOR(S): Oblong, John Erich, Loveland, OH, UNITED STATES  
McPhail, Sara Johnson, West Chester, OH, UNITED STATES  
Weitz, Shannon Christine, Hamilton, OH, UNITED STATES  
Harris, Judith Lynn, Cleves, OH, UNITED STATES  
McIvcr, John McMillan, Cincinnati, OH, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005255059	A1	20051117
APPLICATION INFO.:	US 2005-125254	A1	20050509 (11)



	NUMBER	DATE
PRIORITY INFORMATION:	US 2004-569585P	20040510 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	THE PROCTER & GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION, WINTON HILL TECHNICAL CENTER - BOX 161, 6110 CENTER HILL AVENUE, CINCINNATI, OH, 45224, US	
NUMBER OF CLAIMS:	19	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1449	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Personal care compositions comprising at least one chronic skin care active selected from the group consisting of butylated hydroxytoluene (BHT), butylated hydroxyanisole (BHA), hexamidine, hexyl isobutyrate, menthyl anthranilate, methofuran, 3-butylidenephthalide, cetyl pyridinium chloride, **green tea** extract, catechins, phytosterols, ursolic acid, and plant extract compounds; at least one acute skin care active selected from the group consisting of particulate materials (including particles, pigments, and cross-linked silicone elastomers), panthenol, pantothenic acid derivatives, and tanning actives; and a dermatologically acceptable carrier. The composition can also comprise the cationic thickener, Polyquaternium 37. The present invention also relates to methods of using such compositions to regulate hair growth and the condition of mammalian skin. Said methods generally comprise the step of topically applying the composition to the skin of a mammal needing such treatment, a safe and effective amount of such compositions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L20 ANSWER 3 OF 10 USPATFULL on STN  
 ACCESSION NUMBER: 2005:150732 USPATFULL  
 TITLE: Hydrocolloids and process therefor  
 INVENTOR(S): Lepilleur, Carole A., Akron, OH, UNITED STATES  
 Fruscella, Jeffrey A., Mentor, OH, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005129643	A1	20050616
APPLICATION INFO.:	US 2004-14424	A1	20041216 (11)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2004-871472, filed on 19 Jun 2004, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	EP 2003-13933	20030620
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	NOVEON IP HOLDINGS CORP., 9911 BRECKSVILLE ROAD, CLEVELAND, OH, 44141-3247, US	
NUMBER OF CLAIMS:	26	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	5 Drawing Page(s)	
LINE COUNT:	4949	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a shampoo composition comprising a minced polygalactomannan hydrocolloid(s) in combination with a water soluble silicone compound.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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L20 ANSWER 4 OF 10 USPATFULL on STN

ACCESSION NUMBER: 2005:137486 USPATFULL  
TITLE: Hydrocolloids and process therefor  
INVENTOR(S): Utz, Ferdinand, Rosenheim, GERMANY, FEDERAL REPUBLIC OF  
Malek, Gabriel, Fellheim, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005118130	A1	20050602
APPLICATION INFO.:	US 2004-7151	A1	20041208 (11)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2004-871472, filed on 19 Jun 2004, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	EP 2003-13933	20030620
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	NOVEON IP HOLDINGS CORP., 9911 BRECKSVILLE ROAD, CLEVELAND, OH, 44141-3247, US	
NUMBER OF CLAIMS:	26	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	5 Drawing Page(s)	
LINE COUNT:	4701	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to substantially pure hydrocolloids and derivatives thereof, a novel method of making said hydrocolloids, compositions comprising said hydrocolloids, and using said hydrocolloids as a gelling and thickening agent for aqueous systems, for instance, in the area of food, fodder, cosmetic and pharmaceutical compositions. Typical hydrocolloids are selected from tamarid, fenugreek, cassia, locust bean, tara, and algal hydrocolloids such as carrageenan and alginates. The hydrocolloids obtainable by the method of the invention are colorless, odorless and tasteless and they exhibit improved performance properties such as viscosity properties as well as gel strength and break strength.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L20 ANSWER 5 OF 10 USPATFULL on STN

ACCESSION NUMBER: 2005:88032 USPATFULL  
TITLE: Hydrocolloids and process therefor  
INVENTOR(S): Utz, Ferdinand, Rosenheim, GERMANY, FEDERAL REPUBLIC OF  
Malek, Gabriel, Fellheim, GERMANY, FEDERAL REPUBLIC OF  
Lepilleur, Carole A., Akron, OH, UNITED STATES  
Fruscella, Jeffrey A., Mentor, OH, UNITED STATES  
Zellia, Joseph A., Barberton, OH, UNITED STATES  
Rafferty, Denise W., Sagamore Hills, OH, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005075497	A1	20050407
APPLICATION INFO.:	US 2004-871472	A1	20040619 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	EP 2003-13933	20030620
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	NOVEON IP HOLDINGS CORP., 9911 BRECKSVILLE ROAD, CLEVELAND, OH, 44141-3247	
NUMBER OF CLAIMS:	90	

EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 5 Drawing Page(s)  
LINE COUNT: 4825  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to substantially pure hydrocolloids and derivatives thereof, a novel method of making said hydrocolloids, compositions comprising said hydrocolloids, and using said hydrocolloids as a gelling and thickening agent for aqueous systems, for instance, in the area of food, fodder, cosmetic and pharmaceutical compositions. Typical hydrocolloids are selected from tamarid, fenugreek, cassia, locust bean, tara and guar. The hydrocolloids obtainable by the method of the invention are colorless, odorless and tasteless and they exhibit improved performance properties such as viscosity properties as well as gel strength and break strength.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L20 ANSWER 6 OF 10 USPATFULL on STN

ACCESSION NUMBER: 2005:3921 USPATFULL  
TITLE: Regulation of mammalian hair growth  
INVENTOR(S): Oblong, John Erich, Loveland, OH, UNITED STATES  
McPhail, Sara Johnson, West Chester, OH, UNITED STATES  
McArthur, Shannon Christine, Indian Springs, OH, UNITED STATES  
Bascom, Charles Carson, Hamilton, OH, UNITED STATES  
Eickhoff, David Joseph, Ft. Mitchell, KY, UNITED STATES  
McIver, John McMillan, Cincinnati, OH, UNITED STATES  
PATENT ASSIGNEE(S): The Procter & Gamble Company (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005003024	A1	20050106
APPLICATION INFO.:	US 2004-783151	A1	20040219 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2003-451910P	20030304 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	THE PROCTER & GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION, WINTON HILL TECHNICAL CENTER - BOX 161, 6110 CENTER HILL AVENUE, CINCINNATI, OH, 45224	

NUMBER OF CLAIMS: 24  
EXEMPLARY CLAIM: 1  
LINE COUNT: 2006  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a topical skin care composition containing a safe and effective amount of a skin care active comprising agmatine, and its salt; a safe and effective amount of a first additional skin care active selected from the group consisting of BHT or BHA, hexamidine, cetyl pyridinium chloride, **green tea** catechins, phytosterols, ursolic acid, compounds derived from plant extracts, their salts and derivatives; and a dermatologically acceptable carrier for the agmatine composition.

The present invention also relates to methods of using such agmatine compositions to regulate hair growth and the condition of mammalian skin. Said methods generally comprise the step of topically applying the composition to the skin of a mammal needing such treatment, a safe and effective amount of such compositions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L20 ANSWER 7 OF 10 USPATFULL on STN

ACCESSION NUMBER: 2004:306462 USPATFULL  
 TITLE: Multi-purpose polymers, methods and compositions  
 INVENTOR(S): Tamareselvy, Krishnan, Brecksville, OH, UNITED STATES  
 Greenslade, Charles T., Willoughby, OH, UNITED STATES  
 Schmucker-Castner, Julie F., Strongsville, OH, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004241130	A1	20041202
APPLICATION INFO.:	US 2004-795666	A1	20040308 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2003-646856, filed on 22 Aug 2003, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-410697P	20020913 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	NOVEON IP HOLDINGS CORP., 9911 BRECKSVILLE ROAD, CLEVELAND, OH, 44141-3247	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	4166	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are multi-purpose polymers that are the polymerization product of a monomer mixture comprising at least one amino-substituted vinyl monomer; at least one nonionic vinyl monomer; at least one associative vinyl monomer; at least one semihydrophobic vinyl surfactant monomer; and, optionally, comprising one or more hydroxy-substituted nonionic vinyl monomer, crosslinking monomer, chain transfer agent or polymeric stabilizer. These vinyl addition polymers have a combination of substituents, including amino substituents that provide cationic properties at low pH, hydrophobic substituents, hydrophobically modified polyoxyalkylene substituents, and hydrophilic polyoxyalkylene substituents. The polymers provide surprisingly beneficial Theological properties in acidic aqueous compositions, and are compatible with cationic materials. Additionally, this invention relates to the incorporation of a basic material after the addition of an acidic material to reduce the pH of the composition without negatively impacting the viscosity of the composition. The multi-purpose polymers are useful in a variety of products for personal care, health care, household care, institutional and industrial care, and industrial applications.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L20 ANSWER 8 OF 10 USPATFULL on STN

ACCESSION NUMBER: 2004:298699 USPATFULL  
 TITLE: Wax-based compositions  
 INVENTOR(S): Ansmann, Achim, Erkrath, GERMANY, FEDERAL REPUBLIC OF  
 Issberner, Ulrich, Rommerskirchen, GERMANY, FEDERAL REPUBLIC OF  
 Bruening, Stefan, Duesseldorf, GERMANY, FEDERAL REPUBLIC OF  
 Jackwerth, Bettina, Langenfeld, GERMANY, FEDERAL REPUBLIC OF  
 Hoffmann, Daniele, Duesseldorf, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004234561	A1	20041125
APPLICATION INFO.:	US 2004-483534	A1	20040629 (10)
	WO 2002-EP7787		20020712

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2001-133399	20010713
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	COGNIS CORPORATION, PATENT DEPARTMENT, 300 BROOKSIDE AVENUE, AMBLER, PA, 19002	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	CLM-01-15	
LINE COUNT:	1374	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A composition for use on personal hygiene articles containing: (a) a primary wax or oil component selected from the group consisting of a C.sub.14-30 dialkyl carbonate, a C.sub.14-30 dialkylene carbonate, and mixtures thereof; and (b) up to about 10% by weight of water, and wherein the composition has a melting point above about 25° C.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L20 ANSWER 9 OF 10 USPATFULL on STN

ACCESSION NUMBER: 2004:164857 USPATFULL

TITLE: **Self-tanning** composition in **sheeted** substrate

INVENTOR(S): Dicianna, Valerie Dumont, Concord, CANADA

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004126342	A1	20040701
APPLICATION INFO.:	US 2003-647313	A1	20030826 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2002-CA234, filed on 26 Feb 2002, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	CA 2001-2338124	20010226
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	MARKS & CLERK, 1075 NORTH SERVICE ROAD WEST, SUITE 203, OAKVILLE, ON, L6M 2G2	
NUMBER OF CLAIMS:	16	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	1 Drawing Page(s)	
LINE COUNT:	1158	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A plurality of **sheet**-like substrates infused by an aqueous **self-tanning** position is enclosed in a dispensing enclosure, from which they may be removed one at a time. The **self-tanning** composition adheres to each substrate while in the container, and transfers from the substrate when applied to the skin of a user. The aqueous **self-tanning** composition comprises 45% to 65% by weight of aqueous extract of Japanese **green tea**, 5% to 15% **dihydroxyacetone**, 5% to 25% ethylethoxydyglycol, 3% to 10% **PPG-12-Buteth-16**, 1% to 13% of a humectant, 0.05% to 0.5% of minerals, and other trace constituents such as an exfoliator,

10/647,313

moisturizer, colorant, anti-oxidant, tanning accelerator, preservative, and sunscreen. The substrates are infused by being placed in a vacuum chamber in which they can be agitated and tumbled, and the ingredients are added in a specific order at specific temperatures, with tumbling and agitation following each step for a specific period of time.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L20 ANSWER 10 OF 10 USPATFULL on STN

ACCESSION NUMBER: 2004:69519 USPATFULL

TITLE: Multi-purpose polymers, methods and compositions

INVENTOR(S): Tamareselvy, Krishnan, Brecksville, OH, UNITED STATES

Barker, Thomas A., Akron, OH, UNITED STATES

Mullee, James E., Garrettsville, OH, UNITED STATES

Greenslade, Charles T., Willoughby, OH, UNITED STATES

Schmucker-Castner, Julie F., Strongsville, OH, UNITED STATES

Filla, Deborah S., Twinsburg, OH, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004052746	A1	20040318
APPLICATION INFO.:	US 2003-646856	A1	20030822 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-410697P	20020913 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Noveon, Inc., Legal Department, 9911 Brecksville Road, Cleveland, OH, 44141-3247	
NUMBER OF CLAIMS:	71	
EXEMPLARY CLAIM:	1	
LINE COUNT:	4095	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are multi-purpose polymers that are the polymerization product of a monomer mixture comprising at least one amino-substituted vinyl monomer; at least one nonionic vinyl monomer; at least one associative vinyl monomer; at least one semihydrophobic vinyl surfactant monomer; and, optionally, comprising one or more hydroxy-substituted nonionic vinyl monomer, crosslinking monomer, chain transfer agent or polymeric stabilizer. These vinyl addition polymers have a combination of substituents, including amino substituents that provide cationic properties at low pH, hydrophobic substituents, hydrophobically modified polyoxyalkylene substituents, and hydrophilic polyoxyalkylene substituents. The polymers provide surprisingly beneficial rheological properties in acidic aqueous compositions, and are compatible with cationic materials. The multi-purpose polymers are useful in a variety of products for personal care, health care, household care, institutional and industrial care, and industrial applications.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE 'HOME' ENTERED AT 11:07:59 ON 09 FEB 2006)

FILE 'USPATFULL' ENTERED AT 11:08:36 ON 09 FEB 2006

L1 1484 S ARTIFICIAL TAN? OR SELF-TAN? OR SELF TAN?

L2 2581 S GREEN TEA?

L3 151 S L1 AND L2

10/647,313

L4 816702 S SHEET? OR WIP? OR TOWEL?  
L5 81 S L3 AND L4  
L6 2992 S DIHYDROXYACETONE?  
L7 31 S L5 AND L6  
L8 593 S ETHOXYDIGLYCOL?  
L9 1 S L7 AND L8  
L10 1 S L5 AND L8  
L11 58 S PPG-12-BUTETH-16  
L12 1 S L11 AND L7  
L13 1 S L5 AND L11  
L14 1 S US5972360/PN  
L15 0 S L14 AND L11  
L16 11262 S EMOLLIENT?  
L17 13769 S PPG  
L18 1489 S L16 AND L17  
L19 0 S L18 AND L14  
L20 10 S L18 AND L7

=> s l1/ti

4019 ARTIFICIAL/TI  
12324 TAN?/TI  
15 ARTIFICIAL TAN?/TI  
((ARTIFICIAL(W)TAN?)/TI)  
28529 SELF/TI  
12324 TAN?/TI  
33 SELF-TAN?/TI  
((SELF(W)TAN?)/TI)  
28529 SELF/TI  
12324 TAN?/TI  
33 SELF TAN?/TI  
((SELF(W)TAN?)/TI)  
L21 48 (ARTIFICIAL TAN?/TI OR SELF-TAN?/TI OR SELF TAN?/TI)

=> s l21 and l11

L22 2 L21 AND L11

=> d 1-2 ibib abs

L22 ANSWER 1 OF 2 USPATFULL on STN  
ACCESSION NUMBER: 2004:164857 USPATFULL  
TITLE: **Self-tanning** composition in sheeted  
substrate  
INVENTOR(S): Dicianna, Valerie Dumont, Concord, CANADA

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004126342	A1	20040701
APPLICATION INFO.:	US 2003-647313	A1	20030826 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2002-CA234, filed on 26 Feb 2002, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	CA 2001-2338124	20010226
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	MARKS & CLERK, 1075 NORTH SERVICE ROAD WEST, SUITE 203, OAKVILLE, ON, L6M 2G2	
NUMBER OF CLAIMS:	16	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	1 Drawing Page(s)	
LINE COUNT:	1158	

10/647,313

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A plurality of sheet-like substrates infused by an aqueous self-tanning position is enclosed in a dispensing enclosure, from which they may be removed one at a time. The self-tanning composition adheres to each substrate while in the container, and transfers from the substrate when applied to the skin of a user. The aqueous self-tanning composition comprises 45% to 65% by weight of aqueous extract of Japanese green tea, 5% to 15% dihydroxyacetone, 5% to 25% ethylethoxydyglycol, 3% to 10% **PPG-12-Buteth-16**, 1% to 13% of a humectant, 0.05% to 0.5% of minerals, and other trace constituents such as an exfoliator, moisturizer, colorant, anti-oxidant, tanning accelerator, preservative, and sunscreen. The substrates are infused by being placed in a vacuum chamber in which they can be agitated and tumbled, and the ingredients are added in a specific order at specific temperatures, with tumbling and agitation following each step for a specific period of time.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 2 OF 2 USPATFULL on STN

ACCESSION NUMBER: 97:78164 USPATFULL

TITLE: **Self-tanning** cosmetic compositions and methods of using the same

INVENTOR(S): Punto, Louis L., Northport, NY, United States  
Zecchino, Jules R., Closter, NJ, United States  
Lentini, Peter J., Glen Oaks, NY, United States

PATENT ASSIGNEE(S): Estee Lauder, Inc., New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5662890		19970902
APPLICATION INFO.:	US 1994-320772		19941011 (8)
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NUMBER OF CLAIMS:	14		
EXEMPLARY CLAIM:	1		
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LINE COUNT:	702		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel cosmetic preparations for artificially tanning the skin. These novel cosmetics are applied to the skin in a sprayable mist application. These cosmetics are oil and alcohol free and are quick drying. Further, these cosmetic preparations provide an even, deeper and long lasting artificial tan.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s edta

L23 100560 EDTA

=> s l22 and l23

L24 1 L22 AND L23

=> d his

(FILE 'HOME' ENTERED AT 11:07:59 ON 09 FEB 2006)



10/647,313

FILE 'USPATFULL' ENTERED AT 11:08:36 ON 09 FEB 2006

L1 1484 S ARTIFICIAL TAN? OR SELF-TAN? OR SELF TAN?  
L2 2581 S GREEN TEA?  
L3 151 S L1 AND L2  
L4 816702 S SHEET? OR WIP? OR TOWEL?  
L5 81 S L3 AND L4  
L6 2992 S DIHYDROXYACETONE?  
L7 31 S L5 AND L6  
L8 593 S ETHOXYDIGLYCOL?  
L9 1 S L7 AND L8  
L10 1 S L5 AND L8  
L11 58 S PPG-12-BUTETH-16  
L12 1 S L11 AND L7  
L13 1 S L5 AND L11  
L14 1 S US5972360/PN  
L15 0 S L14 AND L11  
L16 11262 S EMOLLIENT?  
L17 13769 S PPG  
L18 1489 S L16 AND L17  
L19 0 S L18 AND L14  
L20 10 S L18 AND L7  
L21 48 S L1/TI  
L22 2 S L21 AND L11  
L23 100560 S EDTA  
L24 1 S L22 AND L23